

Title (en)
BIOCONVERSION OF OLEUROPEIN

Title (de)
BIOKONVERSION VON OLEUROPEIN

Title (fr)
BIOCONVERSION D'OLEUROPEINE

Publication
EP 3706761 A1 20200916 (EN)

Application
EP 18803591 A 20181108

Priority
• EP 17200589 A 20171108
• EP 2018080547 W 20181108

Abstract (en)
[origin: WO2019092068A1] A composition contains at least one probiotic or enzyme selected from the group consisting of (i) a probiotic having β -glycosidase activity or a β -glycosidase, (ii) a probiotic having esterase activity or an esterase, (iii) a probiotic having both β -glycosidase activity and esterase activity or an enzyme having both β -glycosidase activity and esterase activity, (iv) a first probiotic having β -glycosidase activity and a second probiotic having esterase activity, (v) a probiotic having β -glycosidase activity and an esterase, (vi) a β -glycosidase and a probiotic having esterase activity and (vii) a β -glycosidase and an esterase. The at least one probiotic can form one or more of oleuropein aglycone, elenolic acid, hydroxytyrosol acetate or hydroxytyrosol from oleuropein. The composition can comprise oleuropein. The composition can be for treating or preventing impaired mobility in an older adult; stimulating bone formation and/or inhibiting bone resorption; treating or preventing synovitis in an individual in need or at risk thereof or treating or preventing articular cartilage degradation subsequent to synovitis in an individual having or recovering from synovitis; or preventing or treating cartilage breakdown.

IPC 8 full level
A61K 31/7048 (2006.01); **A23L 33/135** (2016.01); **A61K 31/7042** (2006.01); **A61K 35/741** (2015.01); **A61K 36/63** (2006.01); **A61P 19/00** (2006.01); **C12Q 1/6809** (2018.01); **C12Q 1/689** (2018.01)

CPC (source: EP US)
A23L 2/52 (2013.01 - EP US); **A23L 33/135** (2016.08 - EP US); **A61K 9/0053** (2013.01 - US); **A61K 9/0095** (2013.01 - US); **A61K 31/7048** (2013.01 - EP US); **A61K 35/745** (2013.01 - US); **A61K 35/747** (2013.01 - US); **A61K 36/63** (2013.01 - EP US); **A61K 45/06** (2013.01 - EP); **C12Q 1/689** (2013.01 - EP); **A23V 2002/00** (2013.01 - EP); **A23V 2400/11** (2023.08 - US); **A23V 2400/531** (2023.08 - US); **C12Q 2600/158** (2013.01 - EP)

C-Set (source: EP)
A61K 31/7048 + A61K 2300/00

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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019092068 A1 20190516; CA 3077790 A1 20190516; CN 111315386 A 20200619; EP 3706761 A1 20200916; EP 3706761 B1 20231115; ES 2967899 T3 20240506; JP 2021502327 A 20210128; JP 2023110016 A 20230808; US 2020360409 A1 20201119; US 2023131859 A1 20230427

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